

| L Number | Hits | Search Text | DB | Time stamp |
|----------|--------|--|--|------------------|
| - | 24 | (scan\$4) same (edge near2 detect\$3) same (intensity near2 pixel) | USPAT; US-PGPUB; IBM_TDB | 2002/12/23 13:43 |
| - | 1 | 5926268.pn. | USPAT; US-PGPUB; IBM_TDB | 2002/12/23 12:11 |
| - | 180 | (edge near2 detect\$3) same (intensity near2 pixel) | USPAT; US-PGPUB; IBM_TDB | 2002/12/23 13:43 |
| - | 21 | ((edge near2 detect\$3) same (intensity near2 pixel)) and (normal\$4 near5 edge) | USPAT; US-PGPUB; IBM_TDB | 2002/12/23 13:50 |
| - | 10 | ((edge near2 detect\$3) same (intensity near2 pixel)) and (normal near5 edge) | USPAT; US-PGPUB; IBM_TDB | 2002/12/23 13:51 |
| - | 8 | ("4547895" "4803736" "4868752" "4896364" "4970653" "5019903" "5144684" "5212740").PN. | USPAT | 2002/12/23 17:24 |
| - | 2 | ("3624606" "4392120").PN. | USPAT | 2002/12/23 18:07 |
| 37018 | | detect\$3 near3 edge | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 16:12 |
| - | 3379 | (detect\$3 near3 edge) same (intensity or brightness or contrast or gradient) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 17:02 |
| - | 5 | ((detect\$3 near3 edge) same (intensity or brightness or contrast or gradient)) same ((scan\$4 or inspect\$3 or read\$3 or imag\$3 or exam\$3 with (different near2 (direction or angle or path))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 16:20 |
| - | 814 | 382/199.ccls. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 16:24 |
| - | 34 | 382/199.ccls. and (scan\$4 with (histogram or distribution)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 16:25 |
| - | 5 | ("4568981" "4591897" "5301027" "5510849" "6101274").PN. | USPAT | 2003/06/13 17:01 |
| - | 919 | (detect\$3 near3 edge) same (histogram or distribution) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 17:02 |
| - | 38 | ((detect\$3 near3 edge) same (histogram or distribution)) same (scan\$4 with (direction or angle)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 17:04 |
| - | 2 | 358331.URPN. | USPAT | 2003/06/13 17:05 |
| - | 137089 | (extract\$3 or identif\$7 or determin\$7 or recogniz\$7) near7 (shape or edge or boundary) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 12:22 |

| | | | | |
|--|--------|---|--|------------------|
| | 303 | ((extract\$3 or identif\$7 or determin\$7 or recogniz\$7) near7 (shape or edge or boundary)) same ((detect\$3 or scan\$4 or inspect\$3 or exam\$7) with ((many or plural\$3 or different or "2" or "4") near4 (direction or angle))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 17:33 |
| | 12 | (((extract\$3 or identif\$7 or determin\$7 or recogniz\$7) near7 (shape or edge or boundary)) same ((detect\$3 or scan\$4 or inspect\$3 or exam\$7) with ((many or plural\$3 or different or "2" or "4") near4 (direction or angle)))) same (histogram or distribution) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 17:39 |
| | 16088 | (scan\$4 or inspect\$4) with ((different or plural\$4 or many or any or "2" or "4") near3 (direction or angle)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 17:46 |
| | 103 | ((scan\$4 or inspect\$4) with ((different or plural\$4 or many or any or "2" or "4") near3 (direction or angle))) same ((edge or boundary) near4 (detect\$3)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 17:51 |
| | 4 | ("4833722" "5054098" "5073960" "5136658").PN. | USPAT | 2003/06/13 18:00 |
| | 2 | 5491759.pn. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 18:28 |
| | 2 | 5491759.URPN. | USPAT | 2003/06/13 18:28 |
| | 4 | ("4833722" "5054098" "5073960" "5136658").PN. | USPAT | 2003/06/13 18:29 |
| | 113717 | (detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 19:44 |
| | 3382 | ((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) same (histogram or distribution) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 19:56 |
| | 1626 | ((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) with (histogram or distribution) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 19:47 |
| | 9 | (((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) with (histogram or distribution)) same ((scan\$3 or detect\$3) with ((different or many or plural\$3 or "2" or "4") near4 (direction or angle))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 19:51 |
| | 491 | ((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) same ((histogram or distribution) near8 (intensity or brightness or contrast)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 19:59 |
| | 533 | ((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) same ((histogram or distribution) near8 (intensity or brightness or contrast or gradient)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 20:07 |
| | 256 | (((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) same ((histogram or distribution) near8 (intensity or brightness or contrast or gradient))) same (pixel or image) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/13 20:01 |

| | | | | |
|---|--------|---|--|------------------|
| - | 18 | 4410278.URPN. ((detect\$3 or scan\$4 or determin\$3) near8 (edge or boundary)) same ((histogram or distribution) near8 (intensity or brightness or contrast or gradient or luminance)) | USPAT USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT | 2003/06/13 20:03 |
| - | 596 | | | 2003/06/13 20:08 |
| - | 3 | 4600830.URPN. ((edge or boundary or line) near2 detect\$3) same ((histogram) with (intensity or brightness or contrast or luminance or gradient)) | USPAT USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT | 2003/06/13 20:08 |
| - | 115 | | | 2003/06/13 20:12 |
| - | 8 | (((edge or boundary or line) near2 detect\$3) same ((histogram) with (intensity or brightness or contrast or luminance or gradient))) and ((scan\$4 or detect\$3) with ((multiple or different or many or plural\$3) near4 (direction or angle))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; | 2003/06/13 20:13 |
| - | 229686 | (edge or boundary or line) near5 (detect\$4 or scan\$4) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; | 2003/06/14 16:05 |
| - | 147 | ((edge or boundary or line) near5 (detect\$4 or scan\$4)) same ((histogram or distribution) with (intensity or brightness or contrast or luminance) with (pixel or gradient)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; | 2003/06/14 16:07 |
| - | 30 | (((edge or boundary or line) near5 (detect\$4 or scan\$4)) same ((histogram or distribution) with (intensity or brightness or contrast or luminance) with (pixel or gradient))) and ((scan\$4 or detect\$3 or inspect\$3) with ((multiple or many or different or vertical or horizontal or plural\$3) near5 (direction or angle))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; | 2003/06/14 16:12 |
| - | 434179 | (identif\$7 or verif\$7 or detect\$3 or determin\$3 or recogniz\$3 or extract\$3 or distinguish\$3) near5 (shape or pattern or wafer or edge or boundary or object) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; | 2003/06/14 16:36 |
| - | 25680 | ((identif\$7 or verif\$7 or detect\$3 or determin\$3 or recogniz\$3 or extract\$3 or distinguish\$3) near5 (shape or pattern or wafer or edge or boundary or object)) same ((multiple or many or plural\$3 or different) near7 (scan\$4 or detect\$4 or direction or angle)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; | 2003/06/14 16:44 |
| - | 3439 | (((identif\$7 or verif\$7 or detect\$3 or determin\$3 or recogniz\$3 or extract\$3 or distinguish\$3) near5 (shape or pattern or wafer or edge or boundary or object)) same ((multiple or many or plural\$3 or different) near7 (scan\$4 or detect\$4 or direction or angle))) same ((edge or boundary) near3 (detect\$3)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; | 2003/06/14 16:46 |
| - | 35 | (((identif\$7 or verif\$7 or detect\$3 or determin\$3 or recogniz\$3 or extract\$3 or distinguish\$3) near5 (shape or pattern or wafer or edge or boundary or object)) same ((multiple or many or plural\$3 or different) near7 (scan\$4 or detect\$4 or direction or angle))) same ((edge or boundary) near3 (detect\$3)) same ((histogram or distribution) near8 (brightness or intensity or luminance or density or gradient)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 16:51 |
| - | 635123 | (identif\$7 or detect\$3 or extract\$3 or determin\$6 or recogniz\$7) with (object or shape or boundary or edge or pattern) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 17:02 |
| - | 4698 | ((identif\$7 or detect\$3 or extract\$3 or determin\$6 or recogniz\$7) with (object or shape or boundary or edge or pattern)) same (((multiple or many or different or plural\$3) near5 (scan\$4)) or (scan\$4 with ((multiple or many or different or plural\$3) near4 (direction or angle)))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 17:10 |

| | | | | |
|--|--------|---|--|------------------|
| | 499 | ((identif\$7 or detect\$3 or extract\$3 or determin\$6 or recogniz\$7) with (object or shape or boundary or edge or pattern)) same (((multiple or many or different or plural\$3) near5 (scan\$4)) or (scan\$4 with ((multiple or many or different or plural\$3) near4 (direction or angle)))) same ((edge or boundary or line) near3 (detect\$4)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 17:11 |
| | 1 | (((identif\$7 or detect\$3 or extract\$3 or determin\$6 or recogniz\$7) with (object or shape or boundary or edge or pattern)) same (((multiple or many or different or plural\$3) near5 (scan\$4)) or (scan\$4 with ((multiple or many or different or plural\$3) near4 (direction or angle)))) same ((edge or boundary or line) near3 (detect\$4))) same ((histogram or distribution) near8 (brightness or intensity or contrast or illuminance or gradient)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 17:16 |
| | 18 | (((identif\$7 or detect\$3 or extract\$3 or determin\$6 or recogniz\$7) with (object or shape or boundary or edge or pattern)) same (((multiple or many or different or plural\$3) near5 (scan\$4)) or (scan\$4 with ((multiple or many or different or plural\$3) near4 (direction or angle)))) same ((edge or boundary or line) near3 (detect\$4))) same ((histogram or distribution) near8 (brightness or intensity or contrast or illuminance or gradient)) and 382/199.ccls. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 17:17 |
| | 155 | (defin\$3 near3 (edge or boundary)) same ((multiple or many or different or plural) with (scan\$4)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 17:24 |
| | 22633 | (scan\$4 or detect\$3) with ((different or many or plural\$4 or multiple) near5 (angle or direction)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 17:51 |
| | 210 | ((scan\$4 or detect\$3) with ((different or many or plural\$4 or multiple) near5 (angle or direction)) same ((histogram or distribution) near7 (brightness or intensity or illuminance or density or contrast))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 17:54 |
| | 11 | (((scan\$4 or detect\$3) with ((different or many or plural\$4 or multiple) near5 (angle or direction)) same ((histogram or distribution) near7 (brightness or intensity or illuminance or density or contrast))) same ((edge or boundary or line) near4 (detect\$3 or scan\$4))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 17:55 |
| | 182972 | (extract\$3 or recogniz\$3 or identif\$5 or determin\$3) with (shape or boundary or edge) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 18:05 |
| | 735 | ((extract\$3 or recogniz\$3 or identif\$5 or determin\$3) with (shape or boundary or edge)) same ((histogram or distribution) near8 (intensity or brightness or luminance or contrast)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 18:06 |
| | 25380 | ((extract\$3 or recogniz\$3 or identif\$5 or determin\$3) with (shape or boundary or edge)) same (image or pixel) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 18:06 |
| | 354 | ((extract\$3 or recogniz\$3 or identif\$5 or determin\$3) with (shape or boundary or edge)) same ((histogram or distribution) near8 (intensity or brightness or luminance or contrast)) same (image or pixel) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 18:07 |
| | 6 | (((extract\$3 or recogniz\$3 or identif\$5 or determin\$3) with (shape or boundary or edge)) same ((histogram or distribution) near8 (intensity or brightness or luminance or contrast))) same (image or pixel)) same ((different or plural\$3 or multiple or many or any) near4 (direction or angle)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 18:16 |

| | | | | |
|--|--------|---|--|------------------|
| | 10 | ((extract\$3 or recogniz\$3 or identif\$5 or determin\$3) with (shape or boundary or edge)) same ((histogram or distribution) near8 (intensity or brightness or luminance or contrast))) same ((different or plural\$3 or multiple or many or any) near4 (direction or angle)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 18:22 |
| | 539 | ((edge or boundary) near3 (detect\$3)) with (histogram or distribution) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 18:27 |
| | 18 | ((edge or boundary) near3 (detect\$3)) with (histogram or distribution)) same ((multi or multiple or many or plural or vertical or horizontal) near5 (direction or angle)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 18:29 |
| | 122686 | (extract\$3 or recogniz\$3 or determin\$3) near7 (shape or boundary or edge or contour) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 21:25 |
| | 118 | "L2" same ((histogram or distribution) near5 (intensity or brightness or contrast or luminance)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 21:31 |
| | 67281 | (edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or recogniz\$3) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 21:38 |
| | 954 | ((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or recogniz\$3)) same ((intensity or brightness or contrast or luminance) near6 (pixel or gradient)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 22:06 |
| | 116 | ((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or recogniz\$3)) same ((intensity or brightness or contrast or luminance) near6 (pixel or gradient))) same (histogram or distribution) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 22:04 |
| | 120 | ((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or recogniz\$3)) same ((intensity or brightness or contrast or luminance) near6 (pixel or gradient))) same (histogram or distribution or plot) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 22:04 |
| | 4 | (((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or recogniz\$3)) same ((intensity or brightness or contrast or luminance) near6 (pixel or gradient))) same (histogram or distribution or plot)) not (((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or recogniz\$3)) same ((intensity or brightness or contrast or luminance) near6 (pixel or gradient))) same (histogram or distribution)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 22:05 |
| | 87 | ((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or recogniz\$3)) same (((intensity or brightness or contrast or luminance) near6 (pixel or gradient)) with (histogram or plot or distribution)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 22:07 |
| | 6 | 4984075.URPN. | USPAT | 2003/06/14 22:07 |
| | 211 | ((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or recogniz\$3)) same (scan\$4 with ((multiple or many or different or two or four or "2" or "4") near4 (direction or angle))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 22:35 |

| | | | | | |
|--|-------|------|--|--|------------------|
| | | 15 | ((edge or boundary or contour or shape) near3 (detect\$3 or extract\$3 or recogniz\$3)) same (scan\$4 with ((multiple or many or different or two or four or "2" or "4") near4 (direction or angle))) same (intensity or brightness or luminance or contrast) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 22:39 |
| | | 2 | 5491759.pn. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 23:27 |
| | | 2 | 5491759.URPN. scan\$4 with ((multiple or multi or plural\$4 or many or different or "4" or four or "2" or two) near2 (direction or angle)) | USPAT | 2003/06/14 23:02 |
| | 14334 | 2 | 5398292.pn. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/14 23:14 |
| | | 8 | ("4547895" "4803736" "4868752" "4896364" "4970653" "5019903" "5144684" "5212740").PN. | USPAT | 2003/06/14 23:27 |
| | 93679 | | ((extract\$3 or recogniz\$3 or determin\$3 or determin\$3) near4 (shape or edge or boundary or contour)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 11:03 |
| | | 153 | ((extract\$3 or recogniz\$3 or determin\$3 or determin\$3) near4 (shape or edge or boundary or contour)) same (scan\$4 with ((multi or multiple or many or different or "4" or plural\$3 or "2" or "two" or "four") near4 (direction or angle))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 11:13 |
| | | 0 | (((extract\$3 or recogniz\$3 or determin\$3 or determin\$3) near4 (shape or edge or boundary or contour)) same (scan\$4 with ((multi or multiple or many or different or "4" or plural\$3 or "2" or "two" or "four") near4 (direction or angle))) same ((histogram or plot or distribution) near6 (intensity or brightness or gradient or pixel or contrast or luminance or density)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 12:18 |
| | | 794 | (((extract\$3 or recogniz\$3 or determin\$3 or determin\$3) near4 (shape or edge or boundary or contour)) same ((histogram or plot or distribution) near6 (intensity or brightness or gradient or pixel or contrast or luminance or density))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 11:37 |
| | | 404 | (((extract\$3 or recogniz\$3 or determin\$3 or determin\$3) near4 (shape or edge or boundary or contour)) with ((histogram or plot or distribution) near6 (intensity or brightness or gradient or pixel or contrast or luminance or density))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 11:37 |
| | | 116 | (((extract\$3 or recogniz\$3 or determin\$3 or determin\$3) near4 (shape or edge or boundary or contour)) with ((histogram or plot or distribution) near6 (intensity or brightness or gradient or pixel or contrast or luminance or density))) and (382/\$.ccls.) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 11:40 |
| | | 7607 | (defin\$3 or identif\$3 or determin\$3 or recogniz\$3 or extract\$3) with ((edge or boundary or contour) near2 point) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 12:17 |

| | | | | |
|--|--------|---|--|------------------|
| | 55 | ((defin\$3 or identif\$3 or determin\$3 or recogniz\$3 or extract\$3) with ((edge or boundary or contour) near2 point)) same ((histogram or plot or distribution) near6 (intensity or brightness or gradient or pixel or contrast or luminance or density)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 12:19 |
| | 143664 | (extract\$3 or identif\$7 or determin\$7 or recogniz\$7) near7 (shape or edge or boundary or contour) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 12:24 |
| | 933 | ((extract\$3 or recogniz\$3 or determin\$3 or determin\$3) near4 (shape or edge or boundary or contour)) same ((intensity or brightness or density or luminance or gradient) near4 (pixel)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 12:32 |
| | 478 | ((extract\$3 or recogniz\$3 or determin\$3 or determin\$3) near4 (shape or edge or boundary or contour)) with ((intensity or brightness or density or luminance or gradient) near4 (pixel)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 12:45 |
| | 7 | (((extract\$3 or recogniz\$3 or determin\$3 or determin\$3) near4 (shape or edge or boundary or contour)) with ((intensity or brightness or density or luminance or gradient) near4 (pixel))) same ((scan\$3 or detect\$3) with ((plural\$3 or different or many or multi or multiple or vertical or horizontal) near2 (direction or angle))) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 12:43 |
| | 240 | (((extract\$3 or recogniz\$3 or determin\$3 or determin\$3) near4 (shape or edge or boundary or contour)) with ((intensity or brightness or density or luminance or gradient) near4 (pixel))) and 382/\$.ccls. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 12:45 |
| | 233 | (laplacian) with ((edge or boundary or contour or line) near3 (extract\$3 or detect\$3)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/06/16 13:17 |
| | 69 | (scan\$6 near6 (different or plurality or many or various) near2 direction) same ((detect\$5 or extract\$6 or generat\$5 or identif\$5 or trac\$6) near4 (edge or contour or outline)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/12/18 20:42 |
| | 75 | (scan\$6 near6 (different or plurality or many or various or multiple) near2 direction) same ((detect\$5 or extract\$6 or generat\$5 or identif\$5 or trac\$6) near4 (edge or contour or outline)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2003/12/18 20:43 |
| | 4 | 5452368.URPN. | DERWENT; IBM_TDB | 2003/12/18 20:52 |
| | 4965 | ((edge or curve or boundary or contour) near4 (follow\$5 or trac\$5)) with (image or pattern) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/04/12 12:33 |
| | 142 | ((edge or curve or boundary or contour) near4 (follow\$5 or trac\$5)) with (image or pattern) and ((scan\$5 or detect\$5) near4 (different or many or multiple or plural or plurality) near3 (direction or angle)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/04/12 12:38 |
| | 140 | ((edge or contour or shape) near3 (detect\$6 or trac\$4)) same (histogram or curve or plot\$6) with (scan\$6) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/22 13:16 |

| | | | | |
|--|-------|--|--|------------------|
| | 25 | ((edge or contour or shape) near3 (detect\$6 or trac\$4) same (histogram or curve or plot\$6) with (scan\$6) same (submicro or circuit or wafer or semiconductor) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/22 13:09 |
| | 2 | ((edge or contour or shape) near3 (detect\$6 or trac\$4) same (histogram or curve or plot\$6) with (scan\$6) same (photolithograph\$6 or lithograph\$5 or photograph\$5) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/22 13:14 |
| | 134 | ((edge or contour or shape) near3 (detect\$6 or trac\$4) same (photolithograph\$6 or lithograph\$5) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/22 13:18 |
| | 69 | ((edge or contour or shape) near3 (detect\$6 or trac\$4) same (photolithograph\$6 or lithograph\$5)) and @ad<20000224 | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/22 13:53 |
| | 684 | (edge or outlin\$5 or shape) with (calibrat\$6) with (direction or angle) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/27 18:08 |
| | 283 | (edge or outlin\$5 or shape) near6 (calibrat\$6) with (direction or angle) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/27 18:51 |
| | 388 | (edge or outlin\$5 or shape) near6 (calibrat\$6 or refin\$6) with (direction or angle) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/27 18:51 |
| | 15 | (edge or outlin\$5 or shape) near6 (calibrat\$6 or refin\$6) with ((direction or angle) near6 (scan\$6)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/27 18:52 |
| | 7088 | (scan\$6 near4 (direction or angle)) with (edge or shape or outline) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/27 20:56 |
| | 384 | (scan\$6 near4 (direction or angle)) same ((refin\$6 or calibrat\$6 or approximat\$6 or precise or accur\$5) near4 (edge or shape or outline)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/27 20:57 |
| | 59 | ((scan\$6 near4 (direction or angle)) same ((refin\$6 or calibrat\$6 or approximat\$6 or precise or accur\$5) near4 (edge or shape or outline))) and (lithograph\$5 or photolithograph\$5) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/27 21:27 |
| | 13548 | (refin\$5 or calibrat\$6 or precis\$6) near4 (edge) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 16:13 |

| | | | | |
|--|------|--|--|------------------|
| | 185 | ((refin\$5 or calibrat\$6 or precis\$6) near4 (edge)) same (lithograph\$6 or photolithograph\$6) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 19:14 |
| | 119 | ((refin\$5 or calibrat\$6 or precis\$6) near4 (edge)) same (lithograph\$6 or photolithograph\$6)) and @ad<20000224 | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 12:45 |
| | 267 | (refin\$5 or calibrat\$6 or precis\$6) near4 (edge) with (scan\$6) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 19:15 |
| | 5 | ((refin\$5 or calibrat\$6 or precis\$6) near4 (edge) with (scan\$6)) same (lithograph\$6 or photolithograph\$6) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 16:27 |
| | 199 | ((refin\$5 or calibrat\$6 or precis\$6) near4 (edge) with (scan\$6)) and @ad<20000224 | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 16:26 |
| | 16 | ((refin\$5 or calibrat\$6 or precis\$6) near4 (edge) with (scan\$6)) and @ad<20000224) and (lithograph\$6 or photolithograph\$6) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 16:27 |
| | 2 | 5914784.pn. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 19:01 |
| | 2487 | (382/181 or 382/199 or 382/203 or 382/318 or 356/496 or 356/509 or 356/388).ccls. | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 19:14 |
| | 185 | ((refin\$5 or calibrat\$6 or precis\$6) near4 (edge)) same (lithograph\$6 or photolithograph\$6) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 19:15 |
| | 0 | ((382/181 or 382/199 or 382/203 or 382/318 or 356/496 or 356/509 or 356/388).ccls.) and (((refin\$5 or calibrat\$6 or precis\$6) near4 (edge)) same (lithograph\$6 or photolithograph\$6)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 19:15 |
| | 267 | (refin\$5 or calibrat\$6 or precis\$6) near4 (edge) with (scan\$6) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 19:15 |
| | 3 | ((382/181 or 382/199 or 382/203 or 382/318 or 356/496 or 356/509 or 356/388).ccls.) and ((refin\$5 or calibrat\$6 or precis\$6) near4 (edge) with (scan\$6)) | USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB | 2004/09/28 19:15 |